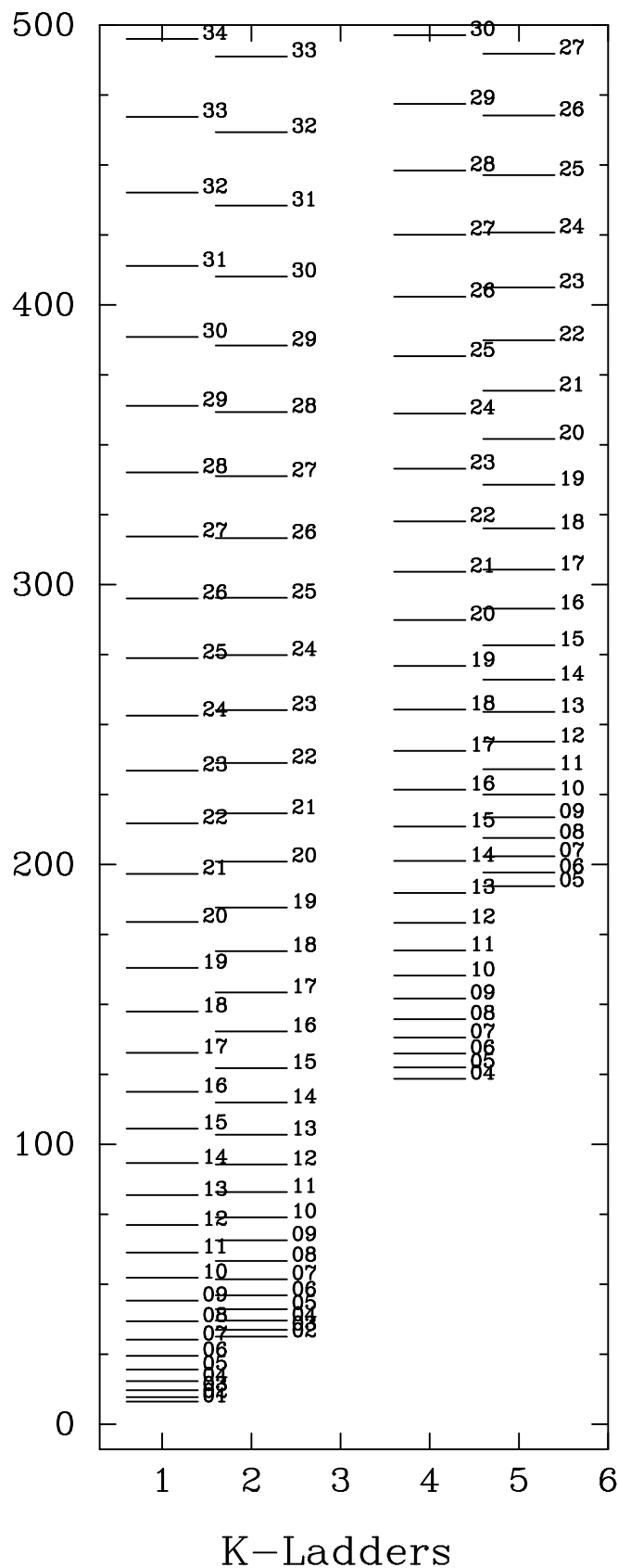


para-CH₃CCH

B0: 8.54586 GHz C0: 1.5859E+02 GHz Dipole Mom: 0.750 Debye
 DJ: 2.91E-06 GHz DK: 2.40E-03 GHz DJK: 1.63E-04 GHz



Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)
J	K	K1		
01	01		6.	8.02
02	01		10.	9.66
03	01		14.	12.12
04	01		18.	15.40
05	01		22.	19.50
06	01		26.	24.43
07	01		30.	30.17
08	01		34.	36.73
09	01		38.	44.11
10	01		42.	52.31
11	01		46.	61.33
12	01		50.	71.18
13	01		54.	81.84
14	01		58.	93.32
15	01		62.	105.62
16	01		66.	118.74
17	01		70.	132.69
18	01		74.	147.45
19	01		78.	163.03
20	01		82.	179.43

QN(up)			QN(low)			Freq (GHz)	A(U-L)	B(L-U)	Log(Tau) relative
J	K	K1	J	K	K1				
02	01		01	01		34.183	7.83E-08	2.22E+17	-0.26
03	01		02	01		51.274	3.36E-07	2.36E+17	0.15
04	01		03	01		68.365	8.70E-07	2.37E+17	0.40
05	01		04	01		85.456	1.78E-06	2.36E+17	0.58
06	01		05	01		102.546	3.16E-06	2.35E+17	0.71
07	01		06	01		119.636	5.12E-06	2.34E+17	0.81
08	01		07	01		136.725	7.74E-06	2.33E+17	0.88
09	01		08	01		153.814	1.11E-05	2.32E+17	0.93
10	01		09	01		170.902	1.54E-05	2.31E+17	0.97
11	01		10	01		187.990	2.06E-05	2.30E+17	0.99
12	01		11	01		205.076	2.69E-05	2.30E+17	1.00
13	01		12	01		222.163	3.43E-05	2.29E+17	1.00
14	01		13	01		239.248	4.30E-05	2.29E+17	0.98
15	01		14	01		256.331	5.30E-05	2.28E+17	0.95
16	01		15	01		273.415	6.45E-05	2.28E+17	0.92
17	01		16	01		290.496	7.76E-05	2.28E+17	0.87
18	01		17	01		307.578	9.22E-05	2.27E+17	0.82
19	01		18	01		324.657	1.09E-04	2.27E+17	0.76
20	01		19	01		341.735	1.27E-04	2.27E+17	0.69
21	01		20	01		358.812	1.47E-04	2.27E+17	0.61
22	01		21	01		375.886	1.69E-04	2.26E+17	0.52
23	01		22	01		392.961	1.94E-04	2.26E+17	0.43
24	01		23	01		410.032	2.20E-04	2.26E+17	0.32
25	01		24	01		427.103	2.49E-04	2.26E+17	0.21
26	01		25	01		444.172	2.81E-04	2.26E+17	0.10
27	01		26	01		461.238	3.14E-04	2.26E+17	-0.03
28	01		27	01		478.304	3.51E-04	2.25E+17	-0.16
29	01		28	01		495.366	3.90E-04	2.25E+17	-0.30
30	01		29	01		512.427	4.32E-04	2.25E+17	-0.44

Quantum Numbers			Level Degeneracy	Energy Above Ground (Kelvins)	QN(up)			QN(low)			Freq (GHz)	A(U-L)	B(L-U)	Log(Tau relative)
J	K	K1			J	K	K1	J	K	K1				
21	01		86.	196.65	02	01		01	01		34.183	7.83E-08	2.22E+17	-0.26
22	01		90.	214.69	03	02		02	02		51.271	2.10E-07	1.48E+17	-0.21
23	01		94.	233.55	03	01		02	01		51.274	3.36E-07	2.36E+17	0.15
24	01		98.	253.23	04	02		03	02		68.361	6.96E-07	1.90E+17	0.15
25	01		102.	273.72	04	01		03	01		68.365	8.70E-07	2.37E+17	0.40
26	01		106.	295.04	05	04		04	04		85.431	6.67E-07	8.87E+16	-0.63
27	01		110.	317.18	05	02		04	02		85.451	1.56E-06	2.07E+17	0.36
28	01		114.	340.13	05	01		04	01		85.456	1.78E-06	2.36E+17	0.58
29	01		118.	363.90	06	05		05	05		102.499	9.93E-07	7.39E+16	-1.04
30	01		122.	388.50	06	04		05	04		102.517	1.81E-06	1.34E+17	-0.32
31	01		126.	413.91	06	02		05	02		102.540	2.89E-06	2.15E+17	0.51
32	01		130.	440.14	06	01		05	01		102.546	3.16E-06	2.35E+17	0.71
33	01		134.	467.19	07	05		06	05		119.581	2.55E-06	1.17E+17	-0.74
34	01		138.	495.05	07	04		06	04		119.601	3.51E-06	1.61E+17	-0.14
02	02		10.	31.26	07	02		06	02		119.629	4.80E-06	2.19E+17	0.62
03	02		14.	33.72	07	01		06	01		119.636	5.12E-06	2.34E+17	0.81
04	02		18.	37.00	08	05		07	05		136.663	4.78E-06	1.44E+17	-0.58
05	02		22.	41.10	08	04		07	04		136.686	5.89E-06	1.77E+17	-0.02
06	02		26.	46.03	08	02		07	02		136.717	7.37E-06	2.22E+17	0.70
07	02		30.	51.77	08	01		07	01		136.725	7.74E-06	2.33E+17	0.88
08	02		34.	58.33	09	05		08	05		153.743	7.78E-06	1.62E+17	-0.47
09	02		38.	65.71	09	04		08	04		153.770	9.03E-06	1.88E+17	0.06
10	02		42.	73.91	09	02		08	02		153.805	1.07E-05	2.23E+17	0.76
11	02		46.	82.93	09	01		08	01		153.814	1.11E-05	2.32E+17	0.93
12	02		50.	92.77	10	05		09	05		170.824	1.16E-05	1.75E+17	-0.40
13	02		54.	103.44	10	04		09	04		170.854	1.30E-05	1.96E+17	0.12
14	02		58.	114.92	10	02		09	02		170.893	1.49E-05	2.24E+17	0.80
15	02		62.	127.22	10	01		09	01		170.902	1.54E-05	2.31E+17	0.97
16	02		66.	140.34	11	05		10	05		187.903	1.65E-05	1.84E+17	-0.36
17	02		70.	154.28	11	04		10	04		187.936	1.80E-05	2.01E+17	0.15
18	02		74.	169.04	11	02		10	02		187.979	2.01E-05	2.25E+17	0.82
19	02		78.	184.62	11	01		10	01		187.990	2.06E-05	2.30E+17	0.99
20	02		82.	201.02	12	05		11	05		204.982	2.23E-05	1.91E+17	-0.33
21	02		86.	218.24	12	04		11	04		205.018	2.40E-05	2.06E+17	0.17
22	02		90.	236.28	12	02		11	02		205.065	2.63E-05	2.25E+17	0.83
23	02		94.	255.14	12	01		11	01		205.076	2.69E-05	2.30E+17	1.00
24	02		98.	274.81	13	05		12	05		222.061	2.94E-05	1.96E+17	-0.32
25	02		102.	295.31	13	04		12	04		222.099	3.12E-05	2.09E+17	0.17
26	02		106.	316.62	13	02		12	02		222.150	3.37E-05	2.25E+17	0.83
27	02		110.	338.76	13	01		12	01		222.163	3.43E-05	2.29E+17	1.00
28	02		114.	361.71	14	05		13	05		239.138	3.76E-05	2.01E+17	-0.33
29	02		118.	385.48	14	04		13	04		239.180	3.97E-05	2.11E+17	0.16
30	02		122.	410.08	14	02		13	02		239.234	4.23E-05	2.25E+17	0.82
31	02		126.	435.49	14	01		13	01		239.248	4.30E-05	2.29E+17	0.98
32	02		130.	461.71	15	05		14	05		256.214	4.73E-05	2.04E+17	-0.34
33	02		134.	488.76	15	04		14	04		256.258	4.94E-05	2.13E+17	0.14
04	04		18.	123.39	15	02		14	02		256.317	5.23E-05	2.25E+17	0.79
05	04		22.	127.49	15	01		14	01		256.331	5.30E-05	2.28E+17	0.95
06	04		26.	132.41	16	05		15	05		273.289	5.84E-05	2.06E+17	-0.37
07	04		30.	138.15	16	04		15	04		273.336	6.07E-05	2.14E+17	0.11
08	04		34.	144.71	16	02		15	02		273.399	6.38E-05	2.25E+17	0.76
09	04		38.	152.08	16	01		15	01		273.415	6.45E-05	2.28E+17	0.92
10	04		42.	160.28	17	05		16	05		290.364	7.10E-05	2.09E+17	-0.41
11	04		46.	169.30	17	04		16	04		290.414	7.35E-05	2.16E+17	0.07
12	04		50.	179.14	17	02		16	02		290.480	7.67E-05	2.25E+17	0.71
13	04		54.	189.80	17	01		16	01		290.496	7.76E-05	2.28E+17	0.87
14	04		58.	201.28	18	05		17	05		307.436	8.53E-05	2.10E+17	-0.46
15	04		62.	213.58	18	04		17	04		307.489	8.79E-05	2.17E+17	0.02
16	04		66.	226.70	18	02		17	02		307.560	9.14E-05	2.25E+17	0.66
17	04		70.	240.63	18	01		17	01		307.578	9.22E-05	2.27E+17	0.82